Literature Cited

ANSI. 1995. Bioacoustical terminology (ANSI S3.20-1995). Acoustical Society of America, Woodbury, NY.

ANSI. 2005. Measurement of sound pressure levels in air (ANSI S1.13-2005). Acoustical Society of America, Woodbury, NY.

Au, W.W.L. and M.C. Hastings. 2008. Principles of Marine Bioacoustics. Springer, New York.

Bonnell, M.L., M.O. Pierson, and G.D. Farrens. 1983. Pinnipeds and sea otters of central and northern California, 1980-1983: Status, abundance and distribution. Prepared by Center for Marine Studies, University of California for Minerals Management Service: 220.

Brown, R.F. 1988. Assessment of pinniped populations in Oregon: April 1984 to April 1985. NWAFC Processed Report 88-05, National Marine Fisheries Service: 54.

Burg, T.M. 1996. Genetic analysis of eastern Pacific harbour seals (*Phoca vitulina richardsi*) from British Columbia and parts of Alaska using mitochondrial DNA and microsatellites. M.S. thesis. University of British Columbia: 77.

Carretta, J. V., E. N. Oleson, D. W. Weller, and A. R. Lang. 2015. 2014 U.S. Pacific Marine Mammal Stock Assessments. *in* NMFS, editor.

Clark, C.W., W.T. Ellison, B.L. Southall, L. Hatch, S.M. Van Parijs, A. Frankel, and D. Ponirakis. 2009. Acoustic masking in marine ecosystems: intuitions, analysis, and implication. Marine Ecology Progress Series **395**:201-222.

Committee on Taxonomy. 2014. List of marine mammal species and subspecies. Society for Marine Mammalogy, www.marinemammalscience.org, accessed on July 14, 2014.

Cox, T.M., T.J. Ragen, A.J. Read, E. Vos, R.W. Baird, K. Balcomb, et al. 2006. Understanding the impacts of anthropogenic sound on beaked whales. Journal of Cetacean Research and Management **7** (3):177-187.

DeLong, R., and S. Melin. 2000. Thirty years of pinniped research at San Miguel Island. Proceedings of the Fifth California Islands Symposium.

Finneran, J.J., C.E. Schlundt, D.A. Carder, J.A. Clark, J.A. Young, J.B. Gaspin, and S.H. Ridgway. 2000. Auditory and behavioral responses of bottlenose dolphins (*Tursiops truncatus*) and a beluga whale (*Delphinapterus leucas*) to impulsive sounds resembling distant signatures of underwater explosions. Journal of the Acoustical Society of America **108** (1):417-431.

Finneran, J.J., C.E. Schlundt, R. Dear, D.A. Carder, and S.H. Ridgway. 2002. Temporary shift in masked hearing thresholds in odontocetes after exposure to single underwater impulses from a seismic watergun. Journal of the Acoustical Society of America **111** (6):2929.

- Finneran, J.J., R. Dear, D.A. Carder, and S.H. Ridgway. 2003. Auditory and behavioral responses of California sea lions (*Zalophus californianus*) to single underwater impulses from an arc-gap transducer. Journal of the Acoustical Society of America **114** (3):1667.
- Finneran, J.J., D.A. Carder, C.E. Schlundt, and S.H. Ridgway. 2005. Temporary threshold shift in bottlenose dolphins (*Tursiops truncatus*) exposed to mid-frequency tones. Journal of the Acoustical Society of America **118** (4):2696-2705.
- Foote, A.D., R.W. Osborne, and A.R. Hoelzel. 2004. Whale-call response to masking boat noise. Nature **428**:910.
- Gordon, J., D. Gillespie, J. Potter, A. Frantzis, M.P. Simmonds, R. Swift, and D. Thompson. 2003. A review of the effects of seismic surveys on marine mammals. Marine Technology Society Journal **37** (4):16-34.
- Hanser, S., E. Becker, L. Wolski, and A. Kumar. 2015. Pacific Navy marine species density database: Technical report. Naval Facilities Engineering Command: 488.
- Harris, C.M. (ed.). 1998. Handbook of Acoustical Measurements and Noise Control. Acoustical Society of America, Woodbury, NY.
- Hastings, M.C. and A.N. Popper. 2005. Effects of sound on fish. Prepared by Jones & Stokes for the California Department of Transportation: 82.
- Hemilä, S., S. Nummela, A. Berta, and T. Reuter. 2006. High-frequency hearing in phocid and otariid pinnipeds: An interpretation based on inertial and cochlear constraints (L). Journal of the Acoustical Society of America **120** (6):3463-3466.
- Hildebrand, J.A. 2009. Anthropogenic and natural sources of ambient noise in the ocean. Marine Ecology Progress Series **395**:5-20.
- ISO (International Organization for Standardization). 2003. Acoustics Description, measurement and assessment of environmental noise Part 1: Basic quantities and assessment procedures (ISO 1996-1:2003(E)). International Organization for Standardization, Geneva.
- Kastak, D., R.J. Schusterman, B.L. Southall, and C.J. Reichmuth. 1999. Underwater temporary threshold shift induced by octave-band noise in three species of pinniped. Journal of the Acoustical Society of America **106** (2):1142-1148.
- Kastelein, R.A., P. Wensveen, L. Hoek, and J.M. Terhune. 2009. Underwater hearing sensitivity of harbor seals (*Phoca vitulina*) for narrow noise bands between 0.2 and 80 kHz. Journal of the Acoustical Society of America **126** (1):476-483.
- Kelly, B.P. 1981. Pelage polymorphism in Pacific harbor seals. Canadian Journal of Zoology **59** (7):1212-1219.
- Ketten, D.R. and D.C. Mountain. 2009. Beaked and baleen whale hearing: Modeling responses to underwater noise. Report No. NPS-OC-09-005, Naval Postgraduate School: 34.

Kryter, K.D. 1985. The Effects of Noise on Man. Academic Press, New York.

Loughlin, T.R. 1997. Using the phylogeographic method to identify Steller sea lion stocks. Molecular Genetics of Marine Mammals Special Publication **3**:159-171.

Lowry, M. S. 2002. Counts of northern elephant seals at rookeries in the Southern California Bight: 1981-2001. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Southwest Fisheries Science Center.

Lowry, M. S., J. V. Carretta, and K. A. Forney. 2005. Pacific harbor seal, *Phoca vitulina richardsii*, census in California during May-June 2004., National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Southwest Fisheries Science Center.

Lucke, K., U. Siebert, P.A. Lepper, and M. Blanchet. 2009. Temporary shift in masked hearing thresholds in a harbor porpoise (*Phocoena phocoena*) after exposure to seismic airgun stimuli. Journal of the Acoustical Society of America **125** (6):4060.

ManTech. 2009. Monitoring Report for Harbor Operations, Vandenberg Air Force Base, California. Prepared for United Launch Alliance, Vandenberg Air Force Base.

ManTech. 2015. IHA Application for Boost-Back and Landing of Falcon 9 First Stage at SLC-4 West Vandenberg AFB and Contingency Landing Options Offshore.

NIOSH (National Institute for Occupational Safety and Health). 1998. Criteria for a recommended standard: Occupational noise exposure. United States Department of Health and Human Services, Cincinnati, OH.

NMFS. 2016. SEA Section 7 Concurrence Letter for SpaceX Boost-Back and Landing of the Falcon 9 First Stage.*in* W. PRD, editor.

NMFS (National Marine Fisheries Service). 2008. Revised recovery plan for the Steller sea lion eastern and western distinct population segments (*Eumetopias jubatus*). National Marine Fisheries Service: 325.

Navy, U. S. D. o. t. 2014. Northwest Training and Testing Draft Environmental Impact Statement; Appendix I: Statistical probability analysis for estimating direct air strike impact and number of potentials exposures.

NRC (National Research Council). 2003. Ocean noise and marine mammals. National Academy of Sciences: 220.

Nowacek, D.P., L.H. Thorne, D.W. Johnston, and P.L. Tyack. 2007. Responses of cetaceans to anthropogenic noise. Mammal Review **37** (2):81-115.

Pearson, W.H., J.R. Skalski, and C.I. Malme. 1992. Effects of sounds from a geophysical survey device on behavior of captive rockfish (*Sebastes* spp.). Canadian Journal of Fisheries and Aquatic Sciences **49**:1343-1356.

Pitcher, K.W., P.F. Olesiuk, R.F. Brown, M.S. Lowry, S.J. Jeffries, J.L. Sease, et al. 2007. Abundance and distribution of the eastern North Pacific Steller sea lion (*Eumetopias jubatus*) population. Fishery Bulletin **105** (1):102-115.

Popper, A.N. and M.C. Hastings. 2009. The effects of anthropogenic sources of sound on fishes. Journal of Fish Biology **75** (3):455-489.

Reichmuth, C. and M.M. Holt. 2013. Comparative assessment of amphibious hearing in pinnipeds. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural and Behavioral Physiology **199** (6):491-507.

Richardson, W.J., C.R. Greene, C.I. Malme, and D.H. Thomson. 1995. Marine Mammals and Noise. Academic Press, Inc., San Diego, California.

Ridgway, S.H., D.A. Carder, R.R. Smith, T. Kamolnick, C.E. Schlundt, and W.R. Elsberry. 1997. Behavioral responses and temporary shift in masked hearing threshold of bottlenose dolphins, *Tursiops truncatus*, to 1-second tones of 141 to 201 dB re 1 μPa. Technical Report 1751, Naval Command, Control and Ocean Surveillance Center: 32.

Riedman, M. 1990. The pinnipeds: Seals, sea lions, and walruses. University of California Press, Berkeley, CA.

SAIC, M. 2012. Marine Mammal Monitoring Assessment, Vandenberg Air Force Base, California. Civil Engineering Assets Management, Natural and Cultural Resources, VAFB.

SAIC, M. 2013. Application for a Five Year Programmatic Permit for Small Takes of Marine Mammals Incidental to Launching of Space Launch Vehicles, Intercontinental Ballistic and Small Missiles, and Aircraft and Helicopter Operations at Vendenberg AFB, CA, . US Air Force.

Schlundt, C.E., J.J. Finneran, D.A. Carder, and S.H. Ridgway. 2000. Temporary shift in masked hearing thresholds of bottlenose dolphins, *Tursiops truncatus*, and white whales, *Delphinapterus leucas*, after exposure to intense tones. Journal of the Acoustical Society of America **107** (6):3496-3508.

Scholik, A.R. and H.Y. Yan. 2001. The effects of underwater noise on auditory sensitivity of fish. Proceedings of the Institute of Acoustics **23** (4):27.

Scholik, A.R. and H.Y. Yan. 2002. The effects of noise on the auditory sensitivity of the bluegill sunfish, *Lepomis macrochirus*. Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology **133** (1):43-52.

Southall, B.L., A.E. Bowles, W.T. Ellison, J.J. Finneran, R.L. Gentry, C.R. Greene, et al. 2007. Marine mammal noise exposure criteria: Initial scientific recommendations. Aquatic Mammals **33** (4):411-521.

Stewart, B. S., P. K. Yochem, H. R. Huber, R. L. Delong, R. J. Jameson, W. J. Sydeman, S. G. Allen, and B. J. L. Boeuf. 1994. History and present status of the northern elephant seal population. Pages 29-48 *in* B. J. L. Boeuf and R. M. Laws, editors. Elephant Seals: Population Ecology, Behavior and Physiology.

Temte, J.L. 1986. Photoperiod and the timing of pupping in the Pacific harbor seal (*Phoca vitulina richardsi*) with notes on reproduction in northern fur seals and Dall porpoises. M.S. thesis. Oregon State University: 161.

Testa, J. e. 2013. Fur seal investigations 2012.

Tougaard, J. and L.A. Kyhn. 2010. Echolocation sounds of hourglass dolphins (*Lagenorhynchus cruciger*) are similar to the narrow band high-frequency echolocation sounds of the dolphin genus *Cephalorhynchus*. Marine Mammal Science **26** (1):239-245.

Urick, R.J. 1983. Principles of Underwater Sound. Peninsula Publishing, Los Altos, CA.

USAF. 2013a. Application for Takes of Marine Mammals Incidental to Launching of Space Launch Vehicles, Intercontinental Ballistic Missiles and Small Missiles, and Aircraft and Helicopter Operations at Vandenberg Air Force Base, California. *in* t. S. W. CES/CEA, editor.

USAF. 2013b. Final Comprehensive Report for the 5 Year Programmatic Permit for Taking Maine Mammals Incidental to Space Vehicle and Test Flight Activities from VAFB, CA, 7 Feb 2009 through 6 Feb 2014. Vandenberg AFB, CA.

Viada, S.T., R.M. Hammer, R. Racca, D. Hannay, M.J. Thompson, B.J. Balcom, and N.W. Phillips. 2008. Review of potential impacts to sea turtles from underwater explosive removal of offshore structures. Environmental Impact Assessment Review **28** (4-5):267-285.

Watkins, W.A. 1986. Whale reactions to human activities in Cape Cod waters. Marine Mammal Science **2** (4):251-262.

Ward, W.D. 1997. Effects of high-intensity sound. Pages 1497-1507 *in* M.J. Crocker, ed. Encyclopedia of Acoustics, Volume III. John Wiley & Sons, New York.

Wartzok, D. and D.R. Ketten. 1999. Marine mammal sensory systems. Pages 117-175 *in* J.E. Reynolds and S.A. Rommel, eds. Biology of Marine Mammals. Smithsonian Institution Press, Washington.

Wartzok, D., A.N. Popper, J. Gordon, and J. Merrill. 2003. Factors affecting the responses of marine mammals to acoustic disturbance. Marine Technology Society Journal **37** (4):6-15.

Weilgart, L.S. 2007. A brief review of known effects of noise on marine mammals. International Journal of Comparative Psychology **201** (2-3):159-168.

Westlake, R.L. and G.M. O'Corry-Crowe. 2002. Macrogeographic structure and patterns of genetic diversity in harbor seals (*Phoca vitulina*) from Alaska to Japan. Journal of Mammalogy **83** (4):1111-1126.

Yagla, J., and R. Stiegler. 2003. Gun blast noise transmission across the air-sea interface. Page 9 Euronoise, Naples.

Yelverton, J.T., D.R. Richmond, E.R. Fletcher, and R.K. Jones. 1973. Safe distances from underwater explosions for mammals and birds. Report No. 3114T, Defense Nuclear Agency: 70.